



FIGURE 1

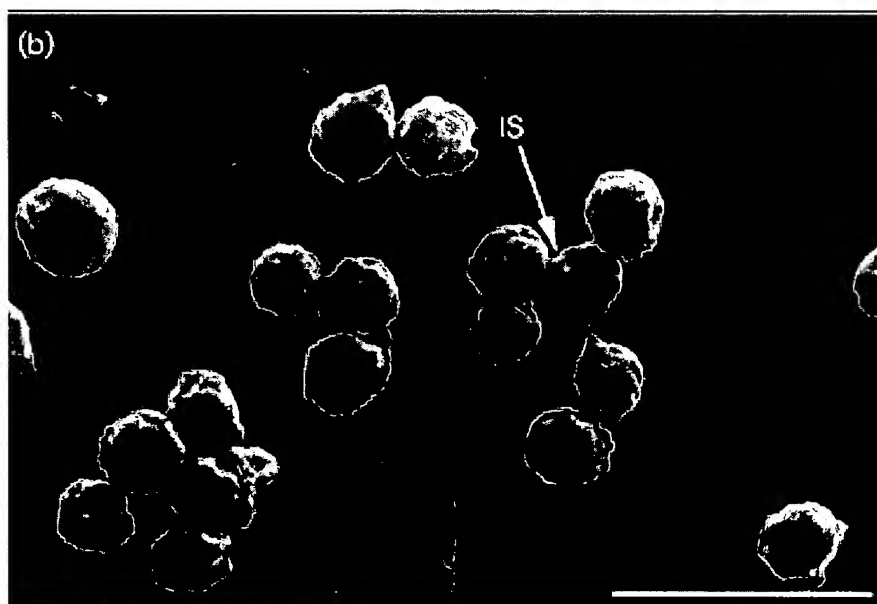


FIGURE 2

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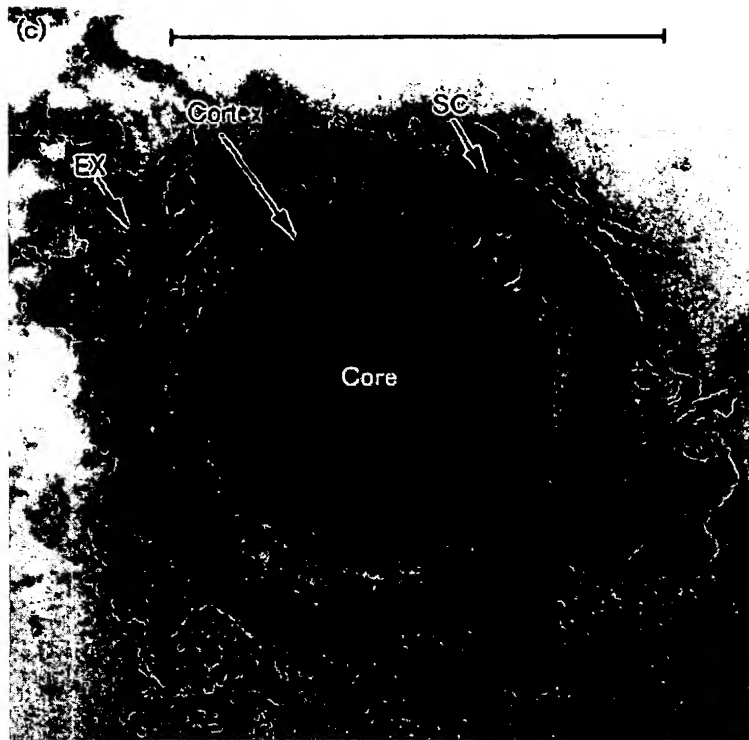


FIGURE 3

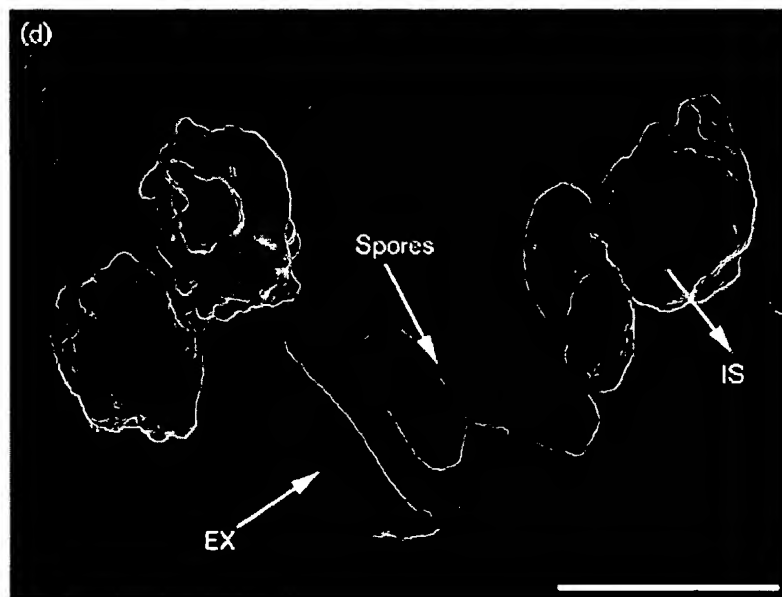


FIGURE 4

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FIGURE 5



FIGURE 6

Characteristic	1	2	3	4	5	6
Substrate oxidized:						
Acetate	+	+	+	ND	ND	-
Pyruvate	+	+	+	+	-	+
α -Hydroxybutyrate	+	-	-	ND	ND	-
β -Hydroxybutyrate	+	-	-	+	-	+
Methyl pyruvate	+	+	+	ND	ND	-
L-Alanine	+	+	+	-	-	+
Glycyl L-glutamate	+	+	+	-	+	+
Adenosine	-	+	+	ND	+	+
2'-Deoxyadenosine	+	+	+	-	+	+
Inosine	+	+	+	-	+	+
AMP	+	+	+	-	+	-
UMP	+	+	+	-	+	-
Growth in 5 % NaCl	+	+	+	-	+	ND
16S rDNA sequence similarity (%) ^a	NA	96.4	95.7	93.1	92.4	91.5

FIGURE 7

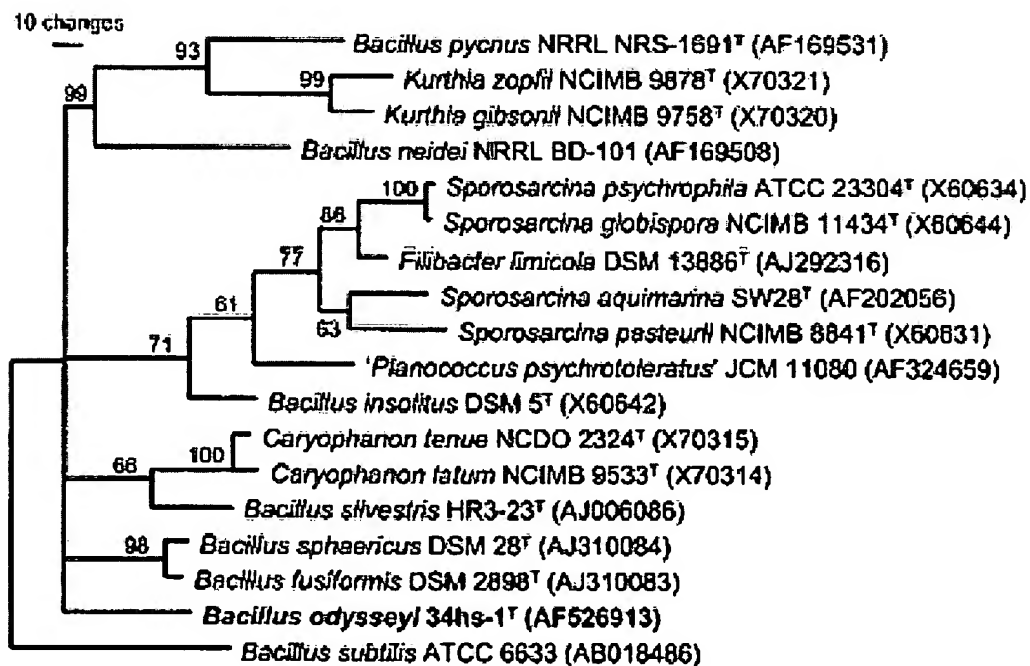


FIGURE 8

Strain	Similarity (%) t labelled DNA from:			
	1	2	3	7
1. <i>B. odysseyi</i> 34hs-1 ^T	100	18	17	17
2. <i>B. fusiformis</i> ATCC 7055 ^T	23	100	17	15
3. <i>B. silvestris</i> NRRL B-23336 ^T	17	18	100	15
4. <i>B. pycnus</i> NRRL NRS-1691 ^T	11	ND	ND	11
5. ' <i>B. aminovorans</i> ' NRRL NRS-341	10	ND	ND	16
6. <i>B. neidei</i> NRRL BD-101	7	ND	ND	15
7. <i>B. sphaericus</i> NRRL BD-113	7	ND	ND	100
8. <i>Sporosarcina aquimarina</i> SAFN-008	7	ND	ND	8

FIGURE 9